

PAUL SCHERRER INSTITUT



Particle Theory Seminar

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“Supersymmetric Higgs bosons and beyond”

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Abstract:

In the MSSM context, there exists a tension between the predicted lightest Higgs mass and the LEP bounds. In this talk, I will focus on extending the MSSM Higgs sector in a model independent way, by following an effective field theory approach. After briefly reviewing the status of the Higgs searches in both the SM and in the MSSM, I will show how the Higgs spectrum and couplings are modified. Constraints from current (and future) experimental data will also be discussed.